

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Reissue Application of: Worsley, et al.)
Application No.: 09/173,582) Examiner: Ton, D.
Filed: October 15, 1998) Group Art Unit: 2732
For: DATA COMMUNICATIONS)
NETWORK WITH TRANSFER)
PORT, CASCADE PORT AND/OR)
FRAME SYNCHRONIZING)
SIGNAL)

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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

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Sir:

1. Pursuant to 37 C.F.R. 1.97 and 1.98, and in compliance with 37 C.F.R. 1.56, the Office's attention is directed to the patents, publications and other information listed on the attached PTO-1449. A copy of each listed document is enclosed except for: (a) pending applications or (b) those previously cited or submitted to the Office in the following application(s) upon which this application relies for an earlier filing date under 35 U.S.C. 120:

Serial No.: 08/147,359 Patent No.: 5,566,169

Filing Date: 11/01/93 Issue Date: 10/15/1996

Regarding the document(s), publication(s) or other information listed on the attached PTO-1449, Applicant(s) believe(s) the same may qualify as "prior" art to this application and should be treated accordingly, although Applicant(s) reserve(s) the right to contest the prior art status of any document, publication or information cited herein.

2. Regarding each listed document that is not in the English language, an English-language translation accompanies this Statement as indicated on the attached PTO-1449 or a concise explanation of the relevance of the document is set forth in the following documents(s):

(a) ____ Copy of each English language version of a search report indicating the degree of relevance found by the foreign office of each document being submitted from the search report.

(b) ____ Attachment entitled "Concise Explanation of Relevance of Non-English Language Documents."

3. Pursuant to 37 C.F.R. 1.97(b) this Statement is being filed (one must be checked):

(a) ____ Within 3 months of the filing date or date of entry into the National Stage.

(b) ____ Before the mailing date of a first Office Action on the merits. If this Statement is not filed before the mailing date of a first Office Action on the merits, the required certification is given below or, in the absence thereof, the Office is authorized to charge the required fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 50-0251 for consideration of this Statement.

(c) ☒ After the period set forth in 37 C.F.R. 1.97(b) but before the mailing date of either a final action or a notice of allowance.

(1) ____ The required certification is given below, or

(2) ____ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(p) for consideration of this Statement, or

(3) ☒ Charge the fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 50-0251.

(d) ____ After the mailing date of either a final action or a notice of allowance, but before payment of the issue fee. Petition hereby is made for consideration of this Statement and the required certification is indicated below.

(1) ____ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(i)(1), or

(2) ____ Charge the fee set forth in 37 C.F.R. 1.17(i)(1) to Deposit Account No. 50-0251.

4. Certification (if applicable)

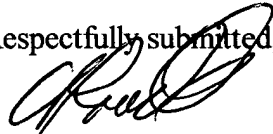
(a) ____ The undersigned hereby certifies that each item of information contained in this Statement was cited in a communication from a foreign patent office in

a counterpart foreign application not more than 3 months prior to the filing of this Statement.

- (b) ____ The undersigned hereby certifies that no item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the undersigned's knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than 3 months prior to the filing of this Statement.

5. The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 50-0251.

Respectfully submitted,



Alan R. Loudermilk
Registration No. 32,788
Attorney for Applicant(s)

Date: 4/2/03
Loudermilk & Associates
P.O. Box 3607
Los Altos, CA 94024-0607
(408) 868-1516

I hereby certify that the foregoing is being deposited with the U.S. Postal Service, Express Mail No. _____, to Assistant Commissioner for Patents, Washington, DC 20231 this _____ day of _____.

By:

INFORMATION DISCLOSURE STATEMENT

BY APPLICANT

(Use several sheets if necessary)

VNI 169 RI

09/173,582

Applicant(s): Rangan et al.

Filing Date: 10/15/98

Group Art Unit: 2732

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3	6	1	9	5	0	5	11/1971	Melle	375	110	
	3	8	3	5	2	6	0	09/1974	Prescher et al.	379	237	
	3	9	8	8	7	1	6	10/1976	Fletcher et al.	370	100.1	
	4	1	5	0	4	0	4	04/1979	Tercic et al.	380	22	
	4	2	2	0	8	1	6	09/1980	Howells et al.	370	24	
	4	2	5	8	4	3	4	03/1981	Glowinski et al.	370	60	
	4	3	4	7	5	2	7	08/1982	Lainez	358	310	
	4	3	5	9	7	7	0	11/1982	Suzuka	370	105.3	
	4	4	1	2	3	2	4	10/1983	Glowinsky et al.	370	58.1	
	4	4	1	9	7	6	5	12/1983	Wycoff et al.	455	38.3	
	4	4	2	9	4	0	5	01/1984	Bux et al.	375	89	
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	4	5	3	0	0	8	8	07/1985	Hamstra et al.	370	110.1	
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	4	5	4	7	8	8	0	10/1985	De Vita et al.	370	67	
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	4	5	7	7	3	1	2	03/1986	Nash	370	84	
	4	5	7	7	3	1	5	03/1986	Otsuka	455	38.3	
	4	5	8	0	2	7	6	04/1986	Andruzzi, Jr. et al.	375	269	
	4	5	8	7	6	5	0	05/1986	Bell	340	825.05	
	4	6	3	7	0	1	4	01/1987	Bell et al.	340	825.05	
	4	6	5	6	5	9	2	04/1987	Spaenenburg et al.	364	490	
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	4	6	7	7	6	1	1	06/1987	Yanosy, Jr. et al.	370	85	
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	4	7	6	6	5	9	1	08/1988	Huang	370	60	
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	4	7	8	2	4	8	5	11/1988	Gollub	370	118	
	4	8	0	0	5	6	0	01/1989	Aoki et al.	370	108	
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	4	8	4	7	6	1	3	07/1989	Sakurai et al.	340	825.21	
	4	8	5	8	2	3	2	08/1989	Diaz et al.	370	85.7	
	4	8	6	6	7	0	4	09/1989	Bergman	370	85.4	
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	4	8	7	6	6	8	3	10/1989	Suzuki	370	97	
	4	8	9	7	8	3	1	01/1990	Negi et al.	370	296	
	4	9	0	7	2	6	0	03/1990	Prohs et al.	379	224	
	4	9	2	0	4	8	3	04/1990	Pogue et al.	395	425	
	4	9	3	0	1	2	7	05/1990	Abaziou et al.	370	110.4	
	4	9	3	1	2	5	0	6/1990	Greszczuk	375	8	
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	4	9	6	1	1	8	8	10/1990	Lau	370	94.2	
	4	9	6	4	1	2	1	10/1990	Moore	370	100.1	
	4	9	7	7	5	8	2	12/1990	Nichols et al.	375	118	
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	5	0	5	8	1	1	0	10/1991	Beach et al.	370	85.6	
	5	0	6	5	3	9	8	11/1991	Takashima	370	94.1	
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	5	0	8	4	8	7	2	01/1992	Le Cucq et al.	370	85.1	
	5	0	9	5	4	9	4	03/1992	Takahashi et al.	375	10	
	5	1	0	3	4	4	6	04/1992	Fischer	370	85.1	
	5	1	1	9	3	7	3	06/1992	Fredricsson et al.	370	85.15	
	5	1	2	1	3	8	2	06/1992	Yang et al.	370	296	
	5	1	2	8	9	3	0	07/1992	Nazarenko et al.	370	60	
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	5	1	3	8	4	4	0	08/1992	Radice	370	110.1	
	5	1	4	0	5	8	7	08/1992	Mueller et al.	370	85.15	
	5	1	4	6	4	5	5	09/1992	Goke et al.	370	66	
	5	1	6	3	1	4	8	11/1992	Walls	395	600	
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	5	1	7	9	5	5	4	01/1993	Lomicka et al.	370	85.13	
	5	1	8	9	4	1	4	02/1993	Tawara	340	825.5	
	5	2	0	0	9	5	2	04/1993	Bernstein et al.	370	79	
	5	2	0	2	8	9	9	04/1993	Walsh	375	8	
	5	2	0	6	8	6	3	04/1993	Nazarenko et al.	371	37.1	
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	5	2	1	4	6	4	8	05/1993	Lespagnol et al.	370	85.15	
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	5	4	1	0	5	3	5	04/1995	Yang et al.	370	13	
	5	4	5	3	9	8	4	09/1995	Mueller	370	85.13	
	5	5	0	4	7	3	8	04/1996	Sambamurthy et al.	370	296	
	5	5	3	3	0	1	8	07/02/96	DeJager et al.	370	60.1	
	5	5	9	4	7	3	4	01/14/1997	Worsley et al.	370	395	
	5	6	4	8	9	5	6	07/1997	Sambamurthy et al.	370	296	
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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
												YES	NO
0	1	3	1	6	6	2	✓	01/85	EPO				
0	3	1	8	3	3	2	✓	05/89	EPO				
WO	A	88	0	5	2	33	✓	07/88	WIPO				
A1	2	5	4	0	3	5	✓	10/89	Japan				
WO	A	89	1	1	1	83	✓	11/89	WIPO	H04B1	38		
A1	2	9	7	9	2	6	✓	12/89	Japan				
A5	1	7	5	9	7	7	✓	07/93	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	A Communication System Proposal Presented to Representatives of Apple Computer on March 5, 1990.	P
	A disclosure of a communication system was presented at the IEEE 802.9, Standards Meeting on Nov. 8-12, 1992. The pages entitled: "Multi-Media Applications are Ready".	P
	✓ "ATM Overview," National Semiconductor Corp., ATM Overview F-Fred Device, Aug. 1993, entire booklet.	
	✓ "ATM User-Network Interface Specification: Version 3.0," Technical Committee of the ATM Forum, pp. iii-103.	
	"DP839XX Isochronous Time Slot Exchanger (IsoTSX™)," Revision 0.8, bearing the date Oct. 29, 1992 and DP839XX Isochronous Ethernet Physical Layer isoPHY™ Revision 1.1, bearing the date Oct. 1992, were disclosed to IBM.	P
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	"DP8390 Network Interface Controller: An Introductory Guide", Local Area Network Databook, National Semiconductor Corp., pp. 1-206 to 1-213, 1992 Edition.	P
	"DP83950A Repeater Interface Controller," Local Area Network Databook, National Semiconductor Corp., pp. 3-3 to 3-73, 1992 Edition.	P
	"DP83950EB at IEEE 802.3, Multi-Port Repeater Evaluation Kit, Local Area Network Databook, National Semiconductor Corp., pp. 75-87, 1992 Edition.	P
	"DP83932B "Systems-Oriented Network Interface Controller", Local Area Network Databook, National Semiconductor Corp., pp. 1-288 to 1-383, 1992 Edition.	P
	"Exchangeable Card Architecture Specification," Release 1.00, bearing the date Dec. 20, 1991, pp. 7, 20 and 22.	P
	"Fiber Distributed Data Interface (FDDI) - Token Ring Media Access Control (MAC)," American National Standard for Information System - Document ANSI X3.139, 1987.	P
	✓ Gallagher, C.A., "IEEE 802.9: A Mutli-Service Lan Interface," Second IEEE National Conference on Telecommunications, Apr. 1989, York GB, pp. 173-178.	
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	IBM- On or about Nov. 1, 1991, IBM Corporation provided a "Task Order and appendix". A copy of pp. 6 and 7 of the Task Order and appendix titled, Isoethernet Project Local Cluster Controller Version 1.2.	P
	"IBM's Multimedia Venture: Opportunity for its Hardware?," vol. 38, No. 1930, p. 1, Sept. 21, 1992.	P
	"IEEE 802.3, Draft Supplement to IEEE Std 802.3 DSMA/CD Access Method and Physical Layer Specifications," Institute of Electrical and Electronics, November 15, 1989.	P
	"IEEE 802.9, Draft Standard Integrated Services (IS) LAN Interface at the MAC and PHY Layers," Institute of Electrical and Electronics, Nov. 1992.	P
	"Integrated PBX Systems, An NCC State of the Art Report," The National Computer Centre Limited, 1987.	P
	Irube et al., "Integrated Information and Communication System for Business Networks," Hitachi Review 40(3):241-247, 1991.	P
	"ISDN Basic Rate Interface System Design Guide," Telenetworks document, Aug. 1989.	P

	"ISDN Primary Rate Interface System Design Guide," Telenetworks document, Jul. 1989.	P
✓	"SoEnet Transforms LANs and WANs Into Interactive Multimedia Tools," Brian Edem et al., Computer Technology Review, Winter 1992, 3 pgs. "ISO/IEC 3309" International Standard, ref. number ISO/IEC 3309; 1991 (E), 1991, 7 pgs.	
	"Local Area Network Databook" published by National Semiconductor, pp. 1-3 to 1-9, 1-242 to 1-248, 5-3 to 5-7.	P
✓	Martini et al., "Real-Time Traffic in FDDI-II, Packet Switching vs. Circuit Switching," IEEE Infocom 1991, vol. 3, Apr. 1991, Bal Harbour, U.S., pp. 1413-1420.	
	"National Proposes Isochronous Ethernet," <i>Electronic News</i> , vol. 38, No. 1940, p. 19, Nov. 30, 1992.	P
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✓	Ross, F.E. et al., "FDDI- A Lan Among Mans", Computer Communications Review, vol. 20, No. 3, Jul. 1990, New York, U.S., pp. 16-31.	
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	"VersaNet™ An Ethernet Extension for Isochronous Communications," bearing the date Aug. 14, 1992 is a paper sent to National Semiconductor Corp. from Condor Systems, Inc. of San Jose, CA on Aug. 18, 1992.	P
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	Wong, David., "Second Generation 10Base T Silicon Solutions," IRE Wescon Convention Record, Vol. 35, Nov. 1991, No. Hollywood, Ca. pp. 238-242.	
EXAMINER		DATE CONSIDERED
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>		